ELSEVIER

Journal of Membrane Science 109 (1996) 293–294

journal of MEMBRANE SCIENCE

Contents

No wonder there is a unit named after him
B.J. Koros (Austin, TX, USA) v
A sixty-year love affair with membranes. Recollections of Richard M. Barrer, edited and annotated by Alan S. Michaels
A.S. Michaels (Chestnut Hill, MA, USA) 1
Professor R.M. Barrer
J.H. Petropoulos (Athens, Greece) 21
The entrainment swelling of emulsion during lactic acid extraction by LSMs
W. Zihao, J. Yuanli and F. Jufu (Beijing, P.R. China) 25
Transport of organic and inorganic solutes through charged mosaic composite membranes
K. Ishizu, M. Iwade (Tokyo, Japan), H. Kiniwa and J. Watanabe (Yokohama, Japan) 35
Measurement of particle/membrane interactions by a hydrodynamic method
D. Elzo (Lund, Sweden), P. Schmitz, D. Houi (Toulouse, France) and S. Joscelyne (Lund, Sweden) 43
Electrochemical properties of cellulosic ion-exchange membranes II. Transport numbers of ions and electro-osmotic flow
M.D. Reboiras (Madrid, Spain) 55
Pervaporative transport modelling in a ternary system: ethyltertiarybutylether/ethanol/polyurethaneimide
A. Jonquières, R. Clément, D. Roizard and P. Lochon (Nancy, France) 65
Coupled transport of copper through different types of liquid membranes containing Acorga P-50 as carrier
M. Szpakowska (Gdańsk, Poland) 77
Amino acid addition to epoxy-group-containing polymer chain grafted onto a porous membrane
S. Kiyohara (Saitama, Japan), M. Sasaki, K. Saito, K. Sugita (Chiba, Japan) and T. Sugo (Gunma, Japan) 87
Formation and gas flux of asymmetric PMMA membranes
J.-M. Cheng, D.-M. Wang, F.-C. Lin and J.-Y. Lai (Chung Li, Taiwan) 93
Flux prediction of black liquor in cross flow ultrafiltration using low and high rejecting membranes
S. De and P.K. Bhattacharya (Kanpur, India) 109
Gas and vapor transport properties of amorphous perfluorinated copolymer membranes based on 2,2-bistrifluoromethyl-4,5-difluoro-1,3-dioxole/tetrafluoroethylene
I. Pinnau and L.G. Toy (Menlo Park, CA, USA) 125
The role of boundary layers in the removal of volatile organic compounds from water by pervaporation
J.G. Wijmans, A.L. Athayde, R. Daniels, J.H. Ly, H.D. Kamaruddin and I. Pinnau (Menlo Park, CA, USA) 135
Analysis of facilitated transport in solid membranes with fixed site carriers. 1. Single RC circuit model
Y.S. Kang, J.-M. Hong, J. Jang and U.Y. Kim (Seoul, South Korea) 149
Analysis of facilitated transport in polymeric membrane with fixed site carrier. 2. Series RC circuit model
J.-M. Hong, Y.S. Kang, J. Jang and U.Y. Kim (Seoul, South Korea) 159
Preparation and performance of asymmetric polyetherimide membranes for isopropanol dehydration by pervaporation
X. Feng and R.Y.M. Huang (Waterloo, Canada) 165
Design and operation of anaerobic membrane bioreactors: development of a filtration testing strategy
A. Beaubien, M. Bâty, F. Jeannot, E. Francoeur and J. Manem (Le Pecq, France) 173
A dynamic model for predicting fouling effects during the ultrafiltration of a groundwater
G.E. Wetterau (Portland, OR, USA), M.M. Clark (Urbana, IL, USA) and C. Anselme (Le Pecq, France) 185
Membrane based system for ultrapure hydrofluoric acid etching solutions
D. Mukherjee, A. Kulkarni and W.N. Gill (Troy, NY, USA) 205
Nonlinear steady state permeation through a laminated inhomogeneous membrane
H.L. Frisch and B.J. Laurenzi (Albany, NY, USA) 219

Preparation and porosity of cellulose triacetate reverse osmosis membranes
L. Kaštelan-Kunst, V. Dananić, B. Kunst and K. Košutić (Zagreb, Croatia) 223
Assessment of diffusion coupling effects in membrane separation. Part I. Network thermodynamics modelling
A.M. Simon, P. Doran and R. Paterson (Glasgow, UK) 231
Pervaporation separation of ethylene glycol–water mixtures using crosslinked PVA-PES composite membranes. Part I. Effects of membrane preparation conditions on pervaporation performances
F.R. Chen and H.F. Chen (Tianjin, P.R. China) 247
Pervaporation separation of water–acetic acid mixtures through poly(vinyl alcohol) membranes crosslinked with glutaraldehyde
C.-K. Yeom and K.-H. Lee (Taejon, South Korea) 257
Asymmetric molecular sieve carbon membranes
W. Shusen, Z. Meiyun and W. Zhizhong (Beijing, China) 267
Investigations of surface properties of polymeric membranes by near field microscopy
A. Bessières, M. Meireles, R. Coratger, J. Beauvillain and V. Sanchez (Toulouse, France) 271

Meetings announcements 285
Meetings calendar 287
Author index 289
Subject index 291
Contents 293